

HISTORIC PROPERTY INVENTORY FORM

IDENTIFICATION SECTION

Field Site No. 618-10 **OAHP No.** _____ **Date Recorded** 12-Mar-99
Site Name Historic 618-10
Common 300 North Burial Ground, Solid Waste Burial Ground
Field Recorder Jim Sharpe
Owner's Name U.S. Department of Energy, Richland Operations Office
Address P.O. Box 550
City/State/Zip Code Richland, WA 99352

Status

- ☒ Survey/Inventory
☐ National Register
☐ State Register
☐ Determined Eligible
☐ Determined Not Eligible
☐ Other (HABS, HAER, NHL)
☐ Local Designation

Photography

Photography Neg. No. 93050254-56cn
(Roll No. & Frame No.)
View of _____
Date _____

Classification

District Status ☐ District ☐ Site ☐ Building ☒ Structure ☐ Object
☒ NR ☐ SR ☐ LR ☐ INV
Contributing ☒
District/Thematic Nomination Name Hanford Site Manhattan Project and Cold War Historic District

Description Section

Materials & Features/Structural Types

Building Type Industry
Plan _____
Structural System _____
No. of Stories _____

Roof Type

☐ Gable ☐ Hip
☐ Flat ☐ Pyramidal
☐ Monitor ☒ Other (specify) _____
☐ Gambrel No roof, open air
☐ Shed

Cladding (exterior Wall Surfaces)

- ☐ Log
☐ Horizontal Wood Siding
☐ Rustic/Drop ☐ Clapboard
☐ Wood Shingle
☐ Board and Batten
☐ Vertical Board
☐ Asbestos/Asphalt
☐ Brick
☐ Stone
☐ Stucco
☐ Terra Cotta
☐ Concrete/Concrete Block
☐ Vinyl/Aluminum Siding
☐ Metal (specify) _____
☒ Other (specify) Open trench burial ground

Roof Material

☐ Wood Shingle
☐ Wood Shake
☐ Composition
☐ Slate
☐ Tar/Built-up
☐ Tile
☐ Metal (specify) _____
☒ Other (specify) No roof, open air
☐ Not visible

Foundation

☐ Log ☐ Concrete
☐ Post & Pier ☐ Block
☐ Stone ☐ Poured
☐ Brick ☒ Other (specify) _____
☐ Not visible Open trench burial ground

Integrity

(Include detailed description in
Description of Physical Appearance)

	Intact	Slight	Moderate	Extensive
Changes to plan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Changes to windows	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Changes to original cladding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Changes to interior	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<u>Covered with soil</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

State of Washington, Department of Community Development
Office of Archaeology and Historic Preservation
111 21st Avenue Southwest, Post Office Box 48343
Olympia, Washington 98504-8343 (206)753-4011

LOCATION SECTION

Address Structure, 618- 10
City/Town/County/Zip Code Richland/Benton County/99352
Twp 11 N **Range** 28 E **Section** 21 **I/4 Section** SW **1/4 1/4 Sec** E 1/2
Tax No./Parcel No. _____ **Acreage** _____
Quadrangle or map name Wooded Island, 1992
UTM References Zone 11 **Easting** 322000 **Northing** 5143400
Plat/Block/Lot _____
Supplemental Map(s) _____



High Styles/Forms (Check one or more of the following)

- | | |
|---|---|
| <input type="checkbox"/> Greek Revival | <input type="checkbox"/> Spanish Colonial Revival/Mediterranean |
| <input type="checkbox"/> Gothic Revival | <input type="checkbox"/> Tudor Revival |
| <input type="checkbox"/> Italianate | <input type="checkbox"/> Craftsman/Arts & Crafts |
| <input type="checkbox"/> Second Empire | <input type="checkbox"/> Bungalow |
| <input type="checkbox"/> Romanesque Revival | <input type="checkbox"/> Prairie Style |
| <input type="checkbox"/> Stick Style | <input type="checkbox"/> Art Deco/Art Moderne |
| <input type="checkbox"/> Queen Anne | <input type="checkbox"/> Rustic Style |
| <input type="checkbox"/> Shingle Style | <input type="checkbox"/> International Style |
| <input type="checkbox"/> Colonial Revival | <input type="checkbox"/> Northwest Style |
| <input type="checkbox"/> Beaux Arts/Neoclassical | <input type="checkbox"/> Commercial Vernacular |
| <input type="checkbox"/> Chicago/Commercial Style | <input type="checkbox"/> Residential Vernacular (see below) |
| <input type="checkbox"/> American Foursquare | <input type="checkbox"/> Other (specify) _____ |
| <input type="checkbox"/> Mission Revival | |

Vernacular House Types

- | | |
|---|--|
| <input type="checkbox"/> Gable Front | <input type="checkbox"/> Cross Gable |
| <input type="checkbox"/> Gable Front and Wing | <input type="checkbox"/> Pyramidal/Hipped |
| <input type="checkbox"/> Side Gable | <input type="checkbox"/> Other (specify) _____ |

NARRATIVE SECTION

Study Unit Themes

(check one or more of the following)

☐ Agriculture
☐ Architecture/Landscape Architecture
☐ Arts
☐ Commerce
☐ Communications
☐ Community Planning/Development

☐ Conservation
☐ Education
☐ Entertainment/Recreation
☐ Ethnic Heritage (specify) _____
☐ Health/Medicine
☐ Manufacturing/Industry
☐ Military

☐ Politics/Government/Law
☐ Religion
☐ Science & Engineering
☐ Social Movements/Organizations
☐ Transportation
☒ Other (specify) Manhattan Project & Cold War Era
☒ **Study Unit Sub-Theme(s)** Waste Management (Solid)

Statement of Significance

Date of Construction 1954 Architect/Engineer/Builder _____
☒ In the opinion of the surveyor, this property appears to meet the criteria of the National Register of Historic Places.
☒ In the opinion of the surveyor, this property is located in a potential historic district (National and/or local).

The 618-10 Solid Waste Burial Ground, also known as 300 North, 300 North Burial Ground, and 318-10 waste site was located about 4.3 miles northwest of the 300 Area of the Hanford Site. It was constructed following concerns of high radiation levels in nearby Burial Ground 618-2. The 618-10 facility operated from 1953 until September 1963. Originally named the 300 North Burial Ground and numbered 318-10, the site received low to high activity, dry, radioactive waste from fission products and some plutonium contaminated waste from operations in the 300 Area. Trenches received low level waste in cardboard boxes. Materials disposed in the waste site with higher radioactivity were packaged in cement barrels. From the mid 1950s until about 1960 radioactive wastes from operations buildings in cardboard containers and stored in lead pans referred to as "gunk catchers". About 1960, as waste materials became hotter from the 325 and 327 Buildings the cardboard waste containers and gunk catchers were replaced by the milk pail system. The milk pail system collected radioactive wastes in aluminum milk pails. Commercial gelatin was used to seal the top. The pails were then placed in an individual cask that contained 4 inches of lead shielding. The facility also received 1-quart "grape juice cans" that contained highly radioactive charcoal filters. Disposal systems for radioactive materials changed in 1966 and 1967 to a silo and paint can system. The silo disposal system was a caisson with its top opening angled at 45 degrees to provide improved radiation shielding. The paint can disposal system collected radioactive materials in 1-gallon paint cans with metal lids fastened on by two sets of clips. Eight cans were placed into a cylindrical cask with 6 inches of lead shielding surrounded by a stainless steel shell. The burial ground was surface stabilized with clean topsoil in 1982.

It is the conclusion of the U.S. Department of Energy that waste Burial Ground 618-10, through its role in solid waste management, is eligible for inclusion in the National Register of Historic Places under Criterion A as a contributing property within the Hanford Site Manhattan Project and Cold War Era Historic District.

Description of Physical Appearance

The 618-10 Solid Waste Burial Ground was about 485 feet by 570 feet oriented northwest by southeast. It contained 12 trenches ranging in size from 40 feet to 75 feet wide and from 50 feet to 300 feet long and 94, 35 inch diameter by 15 feet long vertical pipes creating caissons known as pipe fields. The caissons were constructed of 5 to 6 open bottomed 55-gallon drums welded together. The caissons received waste with higher radioactivity.

Major Bibliographic References

Bechtel Hanford, 1994, *300-FF-2 Operable Unit Technical Baseline Report*. BHI-00012. Richland, Washington.
Bechtel Hanford, 1997, *Geophysical Investigation of the 618-10 and 618-11 Burial Grounds, 300-FF-2 Operable Unit*. BHI-00291, Richland, Washington.
Bechtel Hanford, 1995, *Description of Work for the 300-FF-2 Operable Unit Groundwater Limited Field Investigation at the 618-10 and 618-11 Burial Grounds*. BHI-00424. Richland, Washington.
Westinghouse Hanford Company, 1993. *Miscellaneous Information Regarding Operation and Inventory of 618-10 Burial Ground*. WHC-MR-0415. Richland, Washington.
Westinghouse Hanford Company, 1992, *Compilation of Historical Information of 300 Area Facilities and Activities*. WHC-MR-0388, Richland, Washington.
Pacific Northwest National Laboratory, 1988. *Hazard Ranking System Evaluation of Cercla Inactive Waste Sites At Hanford*. PNL-6456 Vol. 2, Richland, Washington.